



mutant siRNA p9

5'-UGGAGACUUGGCGCAAUGUGdTdT-3' Sense, (Seq ID No.:1)
 3'-dTdTACCUCUGAACGCGUUACAC-5' Antisense, (Seq ID No.:2)

p10

5'-GGAGACUUGGCGCAAUGUGAdTdT-3' Sense, (Seq ID No.:3)
 3'-dTdTCCUCUGAACGCGUUACACU-5' Antisense, (Seq ID No.:4)

p11

5'-GAGACUUGGCGCAAUGUGACdTdT-3' Sense, (Seq ID No.:5)
 3'-dTdTTCUCUGAACGCGUUACACUG-5' Antisense, (Seq ID No.:6)

sod1 wild type 5'-...GAGAGGCAUGUUGGAGACUUGGCGCAAUGUGACUGCUGACAAAGAUGGU...-3' (Seq ID No.:7)

sod1 mutant 5'-...GAGAGGCAUGUUGGAGACUUGGCGCAAUGUGACUGCUGACAAAGAUGGU...-3' (Seq ID No.:8)

wild-type siRNA p11

5'-GAGACUUGGCGCAAUGUGACdTdT-3' Sense, (Seq ID No.: 9)
 3'-dTdTTCUCUGAACGCGUUACACUG-5' Antisense, (Seq ID No.:10)

p10

5'-GGAGACUUGGCGCAAUGUGAdTdT-3' Sense, (Seq ID No.:11)
 3'-dTdTCCUCUGAACGCGUUACACU-5' Antisense, (Seq ID No.:12)

p9

5'-UGGAGACUUGGCGCAAUGUGdTdT-3' Sense, (Seq ID No.:13)
 3'-dTdTACCUCUGAACGCGUUACAC-5' Antisense, (Seq ID No.:14)

Fig. 1A

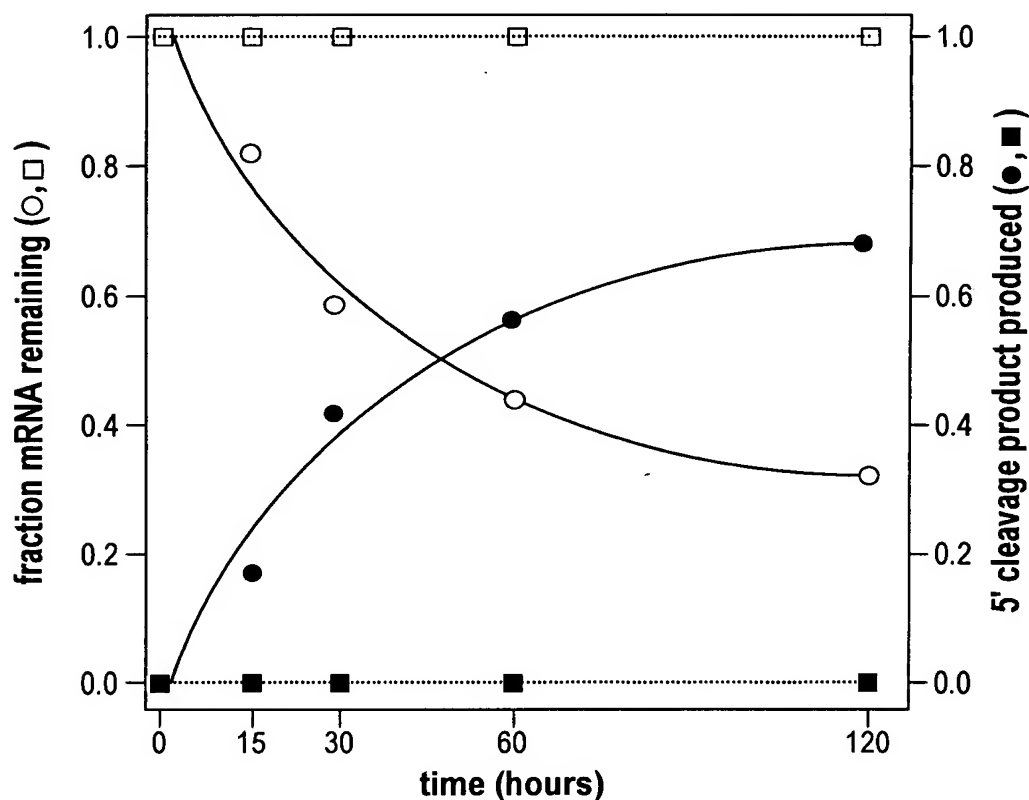


Fig. 1B

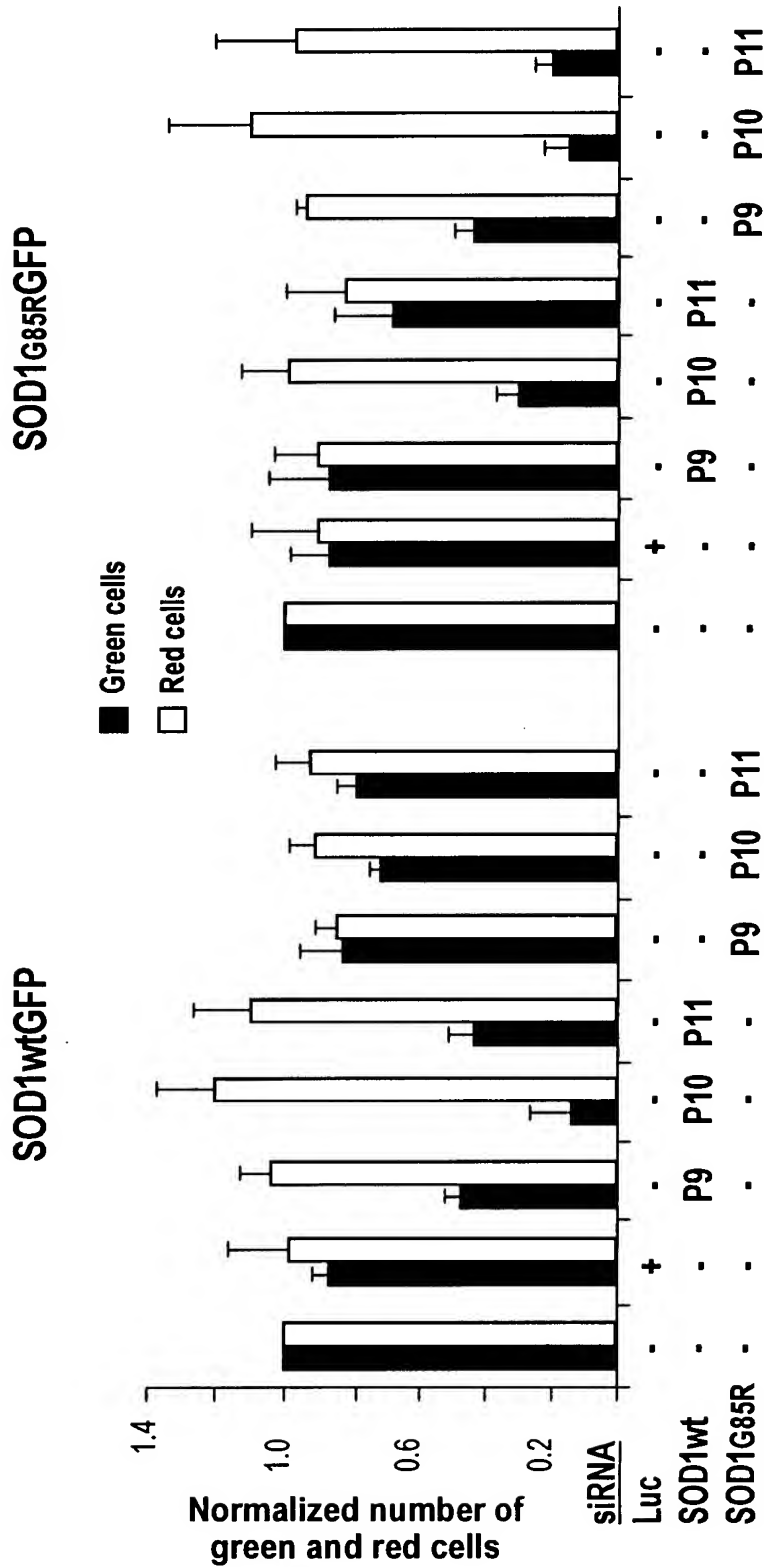


Fig. 2

Wild type SOD1

5'- ...ACTGCTGACAAAGATGGTGTGGCCGATGTGTCTAT...-3'

G93AshRNA GACAAAGAUGCUGUGGCCGAU^{AA}G
UUUUCUGUUUCUACGACACCGGCUA^{UU}C

Fig. 3A

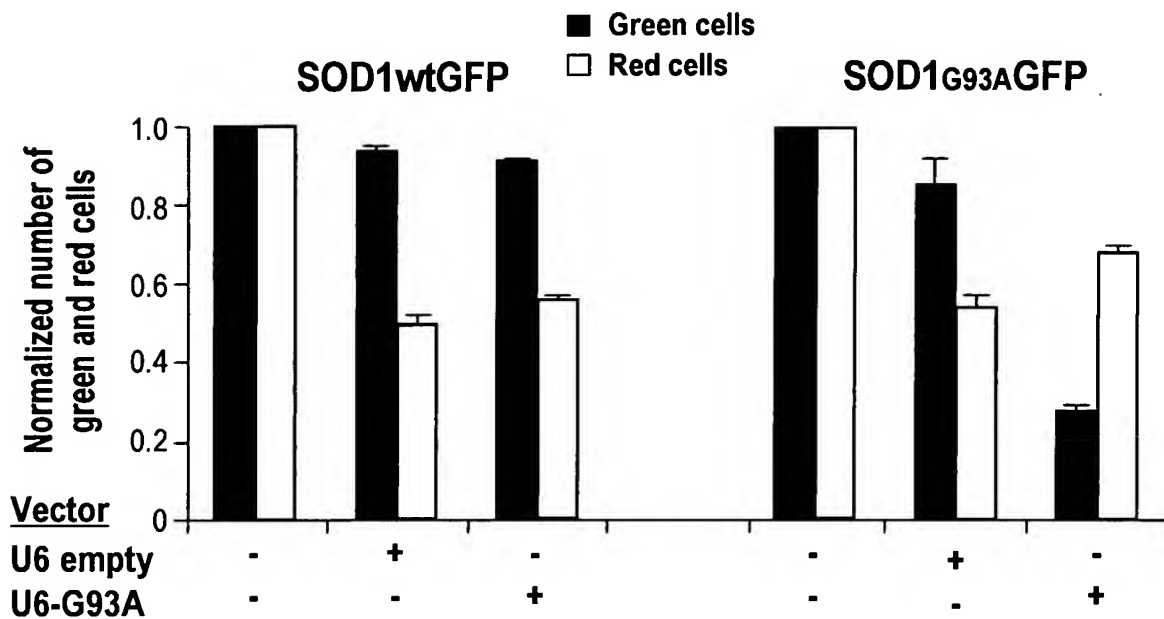


Fig. 3B

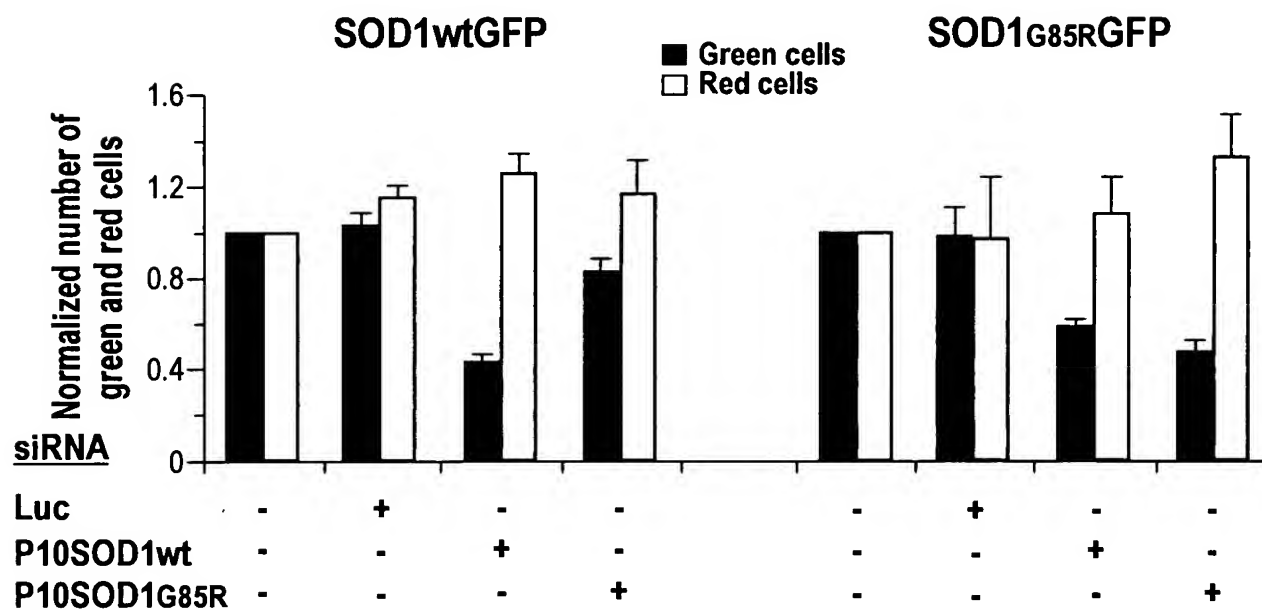


Fig. 4A

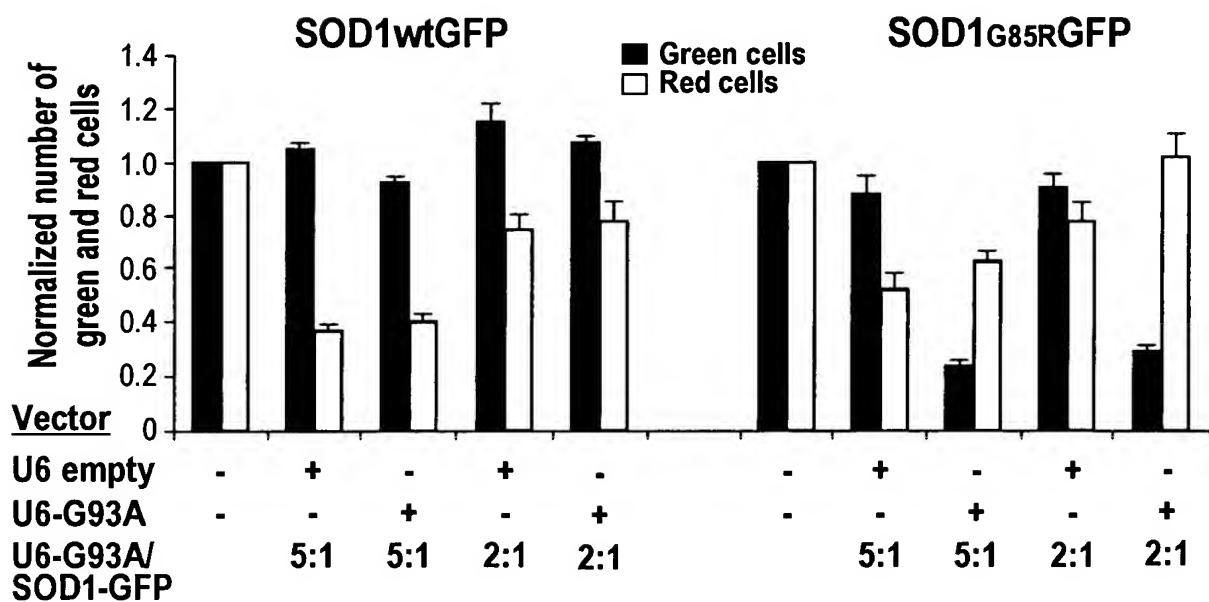
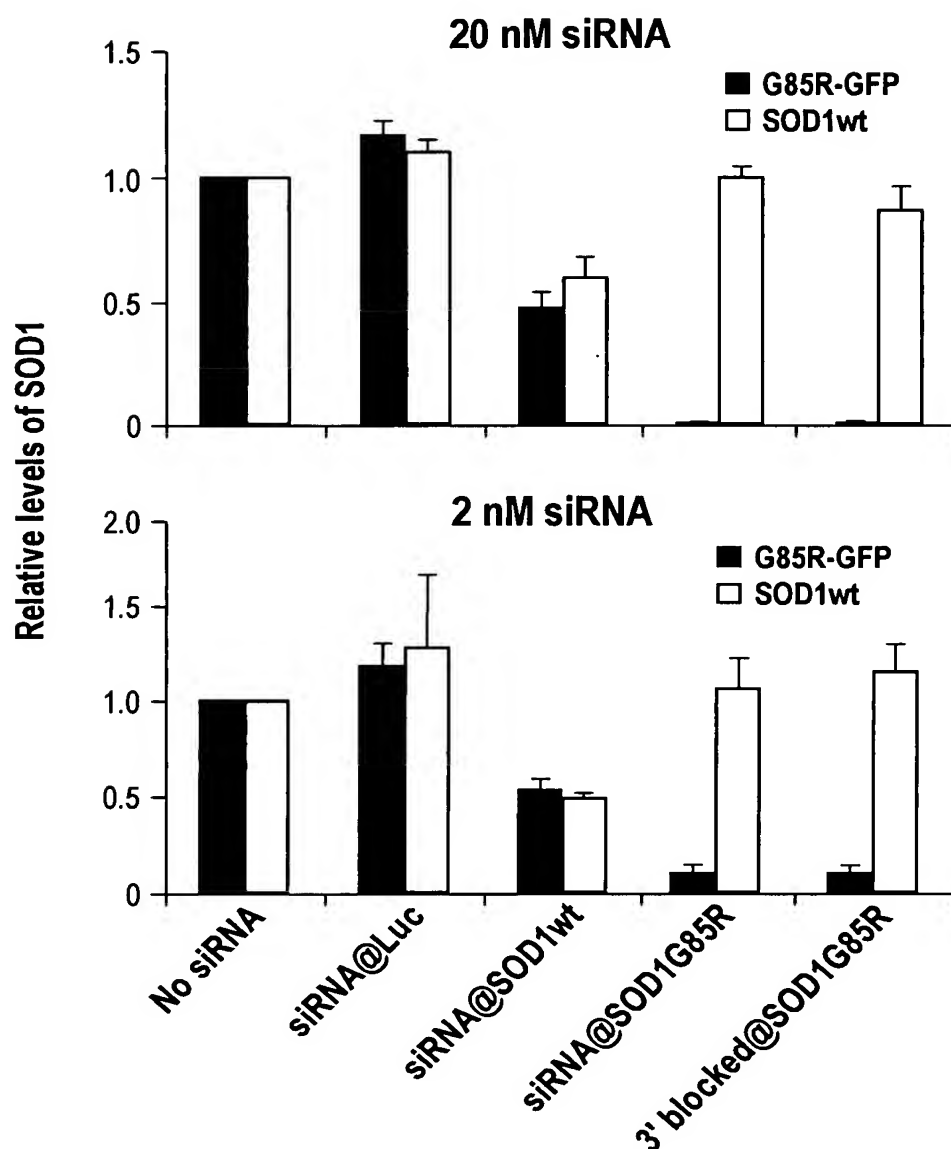


Fig. 4B

*Fig. 5*

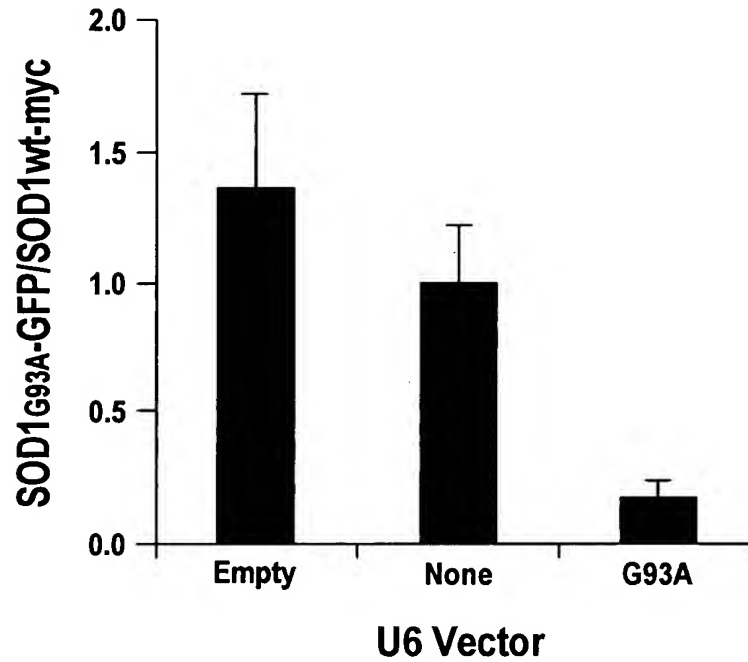


Fig. 6

atkavcvlk gdgpvqgiin feqkesngpv kwgsikglt eglhgfhvhe fgdntagcts
agphfnplsr khggpkdeer hvgdlnvta dkdgvadvsi edsvislsd hciigrtlvv
hekaddlgkg gneestktgn agsrlacgvi giaq

Fig. 7

gcgacgaagg ccgtgtgcgt gctgaagggc gacggcccag tgcagggcat catcaatttc gacgagaagg
aaagtaatgg accagtgaag gtgtggggaa gcattaaagg actgactgaa ggcctgcatg gattccatgt
tcatgagttt ggagataata cagcaggctg taccagtga ggtcctcact ttaatcctct atccagaaaa
cacggtgggc caaaggatga agagaggcat gtggagact tgggcaatgt gactgctgac aaagatggtg
tggccgatgt gtctattgaa gattctgtga tctcactctc aggagaccat tgcattcatg gccgcacact
ggtggtccat gaaaaagcag atgacttggg caaagggtgga aatgaagaaa gtacaaagac aggaacgcct
ggaagtcggt tggcttgtgg tgtaattggg atcgcccaa

Fig. 8

